

Patent Claims

1. Wiper system for a windscreen of a vehicle, in particular of a motor vehicle, comprising two simultaneously driven windscreen wipers (1, 2) and comprising a drive rod (3) between a motor (4) and a wiper bearing (5, 6) of a wiper shaft (7, 8), characterized in that the motor (4) and the drive rod (3) are arranged and designed in such a way that at least a driver-side crank (9) can be provided for driving the wiper shaft (7), which crank in each position is oriented in a direction towards the vehicle centre.
2. Wiper system according to Claim 1, characterized in that the driver-side crank (9) and the passenger-side crank (10) can be provided for driving the wiper shafts (7, 8), which cranks in each pivoting position are oriented towards the vehicle centre.
3. Wiper system according to Claim 1 or 2, characterized in that the motor (4) is arranged in front of and at a distance from the wiper bearing (5, 6) in the direction of travel (Y) of the vehicle.
4. Wiper system according to Claim 2, characterized in that the motor (4) is connected to a driver-side wiper bearing (5) via the drive rod (3).
5. Wiper system according to one of the preceding claims, characterized in that at least the driver-side wiper bearing (5) is arranged close to an A-column (11) of the vehicle.
6. Wiper system according to one of the preceding claims, characterized in that the wiper bearings (5, 6) are arranged in such a way that an essentially parallel alignment of the at least one windscreen wiper (1, 2) with respect to the respective vehicle column (11) of the vehicle is achieved in an upper wiper end position.

7. Wiper system according to one of the preceding claims, characterized in that a passenger-side wiper shaft (8) is driven via a transmission rod (3) which is indirectly connected to the motor (4) by a driver-side crank (13).
8. Wiper system according to one of Claims 1 to 6, characterized in that two wiper shafts (7, 8) are directly driven by the motor (4) via respective rod assemblies (3).
9. Wiper system according to Claim 1, characterized in that a mounted deflector or a transmission disc (18) is provided, via which the wiper shaft (7) is indirectly driven.
10. Wiper system according to Claim 9, characterized in that the motor (4) is arranged approximately in the centre between a driver-side wiper bearing (5) and a passenger-side wiper bearing (6).
11. Wiper system according to one of the preceding claims, characterized in that it is a wiper system which operates in opposite directions.
12. Drive unit for a wiper system of a vehicle, in particular for a wiper system according to one of Claims 1 to 11, characterized in that a drive rod (3) and a motor (4) are arranged and designed in such a way that at least a driver-side crank (9) can be provided for driving a wiper shaft (7), which crank in each position is oriented in a direction towards the vehicle centre.
13. Drive unit according to Claim 12, characterized in that the motor (4) is arranged in front of and at a distance from the wiper bearing (5, 6) in the direction of travel (Y) of the vehicle.